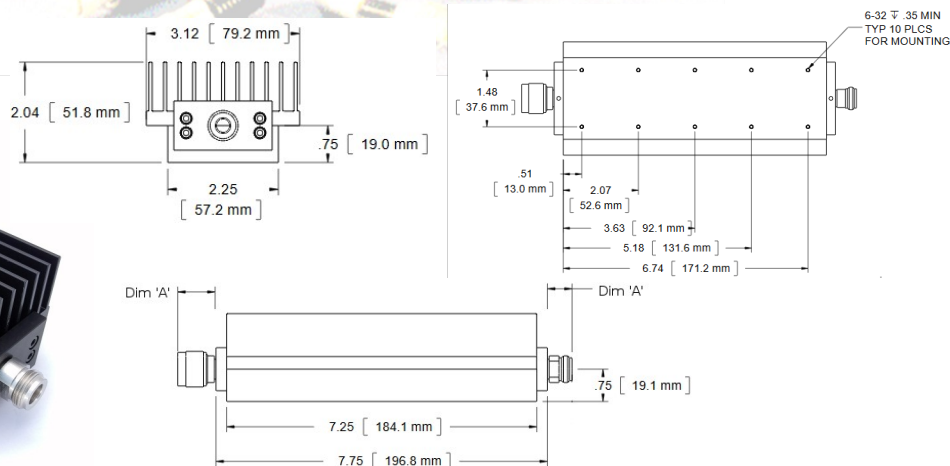


# Fixed Coaxial Attenuator

# WA35

## WA 35: DC - 8.5 GHz

## 250 WATTS



### Features

Type N or 7/16 DIN stainless steel connectors per MIL-STD-348A, interface non-destructively with MIL-PRF-39012. Designed to meet MIL-DTL-3933 environmental specification. Passive cooling, flat base with mounting holes.

### Specifications

**Nominal Impedance:** 50 ohms.

**Frequency Range:** DC - 8.5 GHz

**Nominal dB Values:** 10 - 40 dB

**Power Coefficient:** < 0.0001 dB/dB/W;  
Unidirectional in power.

**Power Rating:** 250 W average to 25°C ambient temperature, de-rated linearly to 25 watts at 125° C, 5 KW peak (5 µsec pulse width, 2.5% duty cycle).

**Temperature Range:** -55°C to +125°C.

**Temperature Coefficient:** < 0.0004 dB/dB/°C.

**Construction:** Black aluminum alloy body with passivated stainless steel connectors. Gold plated beryllium copper or stainless steel contacts. RoHS compliant.

**Calibration:** Insertion Loss and VSWR performed across frequency range. Calibration test data available at additional cost.

### Standard Nominal Values and Deviations:

Attenuation (dB)	Accuracy ± dB	
	DC - 4.0 GHz	4.0 - 8.5 GHz
3 - 9	1.0	1.75
10 - 30	0.75	0.75
40	1.0	1.0

### Maximum VSWR:

Frequency (GHz)	VSWR
	WA35
DC - 4.0	1.3
4.0 - 8.5	1.45

### Dimensions:

Connector Type (- code)	Length
	Dimension 'A'
N-Type F -03	14.9 (.59)
N-Type M -04	10.9 (.43)
DIN 7/16 F -07	30.5 (1.2)
DIN 7/16 M -08	31.8 (1.25)

**Weight:** 1.3 (45.9)  
**Height:** 51.8 (2.04)  
**Width:** 79.2 (3.12)  
**Mounting Holes:** 6-32 TYP 10 PLCS

*Note: Dimensions are given in mm (in), or kg (oz). Weight figure is nominal, with our standard connector configuration. Additional connector options may be available.*

**Low Intermodulation Option:** Add -LIM after connector option to specify low intermodulation